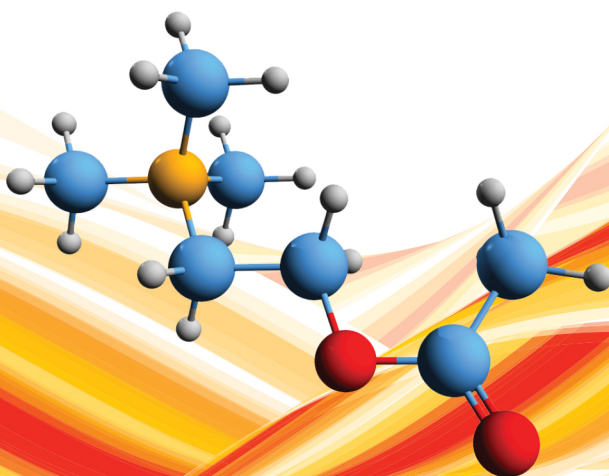


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# Acetylcholine

Biochemistry, Functions  
and Role in Disease



Jordan Mus  
Editor

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**ACETYLCHOLINE**

**BIOCHEMISTRY, FUNCTIONS**

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**JORDAN MUS**  
**EDITOR**



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# CONTENTS

<b>Preface</b>		<b>vii</b>
<b>Chapter 1</b>	Cholinergic Regulation during Infection <i>Leon Islas Weinstein</i> <i>and Rogelio Hernández-Pando</i>	<b>1</b>
<b>Chapter 2</b>	Cholinergic Hypothesis of Depression and Stress Reaction of Organisms <i>Tatiana B. Kalinnikova, Dilyara M. Khakimova,</i> <i>Anastasia V. Egorova, Rifgat R. Shagidullin</i> <i>and Marat Kh. Gainutdinov</i>	<b>85</b>
<b>Chapter 3</b>	Selective Acetylcholine Biosensor Fabrication with Smart Bio-Chips <i>Mohammed Muzibur Rahman,</i> <i>Mohammad Razaul Karim</i> <i>and Abdullah Mohamed Asiri</i>	<b>103</b>
<b>Index</b>		<b>119</b>

## *Chapter 2*

# **CHOLINERGIC HYPOTHESIS OF DEPRESSION AND STRESS REACTION OF ORGANISMS**

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## **ABSTRACT**

The article presents a review of the results of studies examining the cholinergic hypothesis of central processes either in stress reaction of humans or in depression induced by chronic social stresses. These studies include both investigations performed by clinicians assessing the pathogenesis of depression and experiments with rodents. The history of the discovery of stress reaction in humans and vertebrate organisms is considered. An analysis of early investigations conducted in the 1980s–1990s that led to the formulation of the hypothesis proposing the key role

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